

Work Order ID 88510

88510

Page 1

August-02-12 11:33:51 AM

Item ID: D4021-3

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Data Plate

Start Date: 9/03/12 Start Qty: 12.00

12 16x

Cust Item ID:

Required Date: 9/03/12 Req'd Qty: 12.00

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 12/08/13 Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
----------	--------------

D4021	B
-------	---

100		0.00
-----	--	------

100

Shear	Memo	0.00
-------	------	------

Shear	1-Cut as per dwg D4021	
	2- break sharp corner as per dwg D4021	
	3-Deburr as required	

CC 13-3-19 (16x)

120	QCS- Inspect part completeness to step on W/O	0.00
-----	---	------

120

QC	Memo	0.00
----	------	------

Quality Control

PC 13.3.19

16x

Work Order ID 88510

88510

Page 2

August-02-12 11:33:51 AM

Item ID: D4021-3 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Data Plate
 Start Date: 9/03/12 Start Qty: 12.00 *12* Cust Item ID:
 Required Date: 9/03/12 Req'd Qty: 12.00 *12* Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Brake NC Brake NC	Bend as per dwg Memo	0.00 0.00				16			13/03/20
140 *140* QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00				16x			
150 *150* Packaging Packaging	Identify as per dwg & Stock Location: WA 4 Memo	0.00 0.00				16x			

Work Order ID 88510

88510

Page 3

August-02-12 11:33:51 AM

Item ID: D4021-3

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Data Plate

Start Date: 9/03/12 Start Qty: 12.00

12

Cust Item ID:

Required Date: 9/03/12 Req'd Qty: 12.00

12

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

160

QC21- Final Inspection - Work Order Release

0.00

160

QC

Memo

0.00

Quality Control

MLJ 13-03-20

13-03-20

Picklist Print

August-02-12 11:33:51 AM

Page 1

Work Order ID: 88510

Parent Item: D4021-3

Parent Item Name: Data Plate

Start Date: 9/03/12

Required Date: 9/03/12

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP RevA: new issue DD 09.11.25 verified by:EC
verified by:EC IPP Rev:C as per dwg REV.A DD 10.02.22 verified by:EC IPP
Rev:D as per dwg revB DD 10.04.20 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304S20GA 304/316 .040 Sheet		Purchased	No			100	sf	220.3413	0.1944	2.4555791 3.274		CC 13-3-19	

Location

Loc Qty

Loc Code

001

52.4914105

M124029 → 3.274

121192

52.4914105

MAT020

167.849922

117933

27.3442

118400

5.3723

118964

23.2

119346

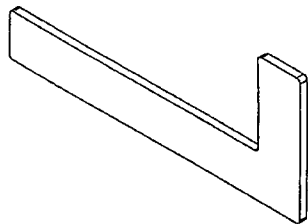
24.8

121380

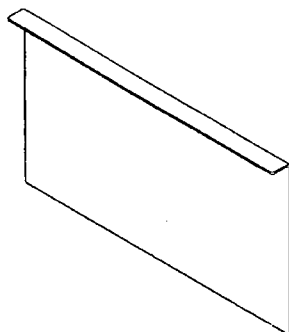
48.533422

121901

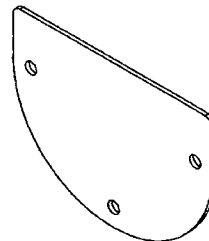
38.6



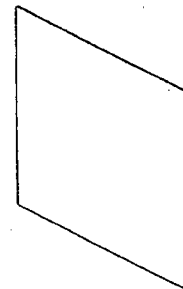
D4021-1 HANDLE PLATE



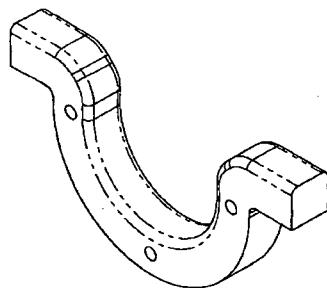
D4021-3 DATA PLATE



D4021-5 BLANKING PLATE



D4021-11 INSTRUCTIONS PLATE



D4021-7 HOOP



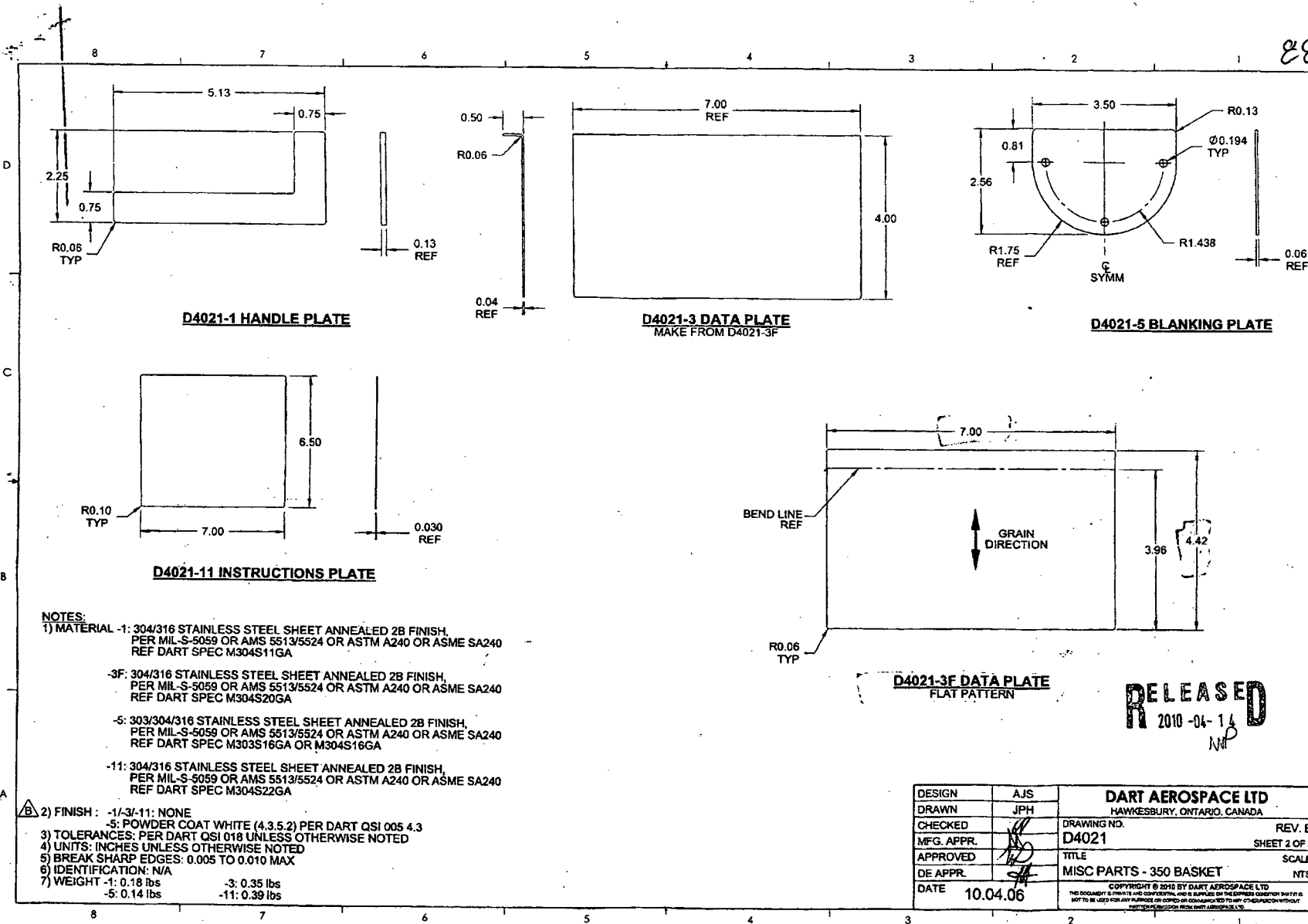
D4021-9 BUSHING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 88510 MLJ
12/08/13

RELEASED
2019-04-16
MD

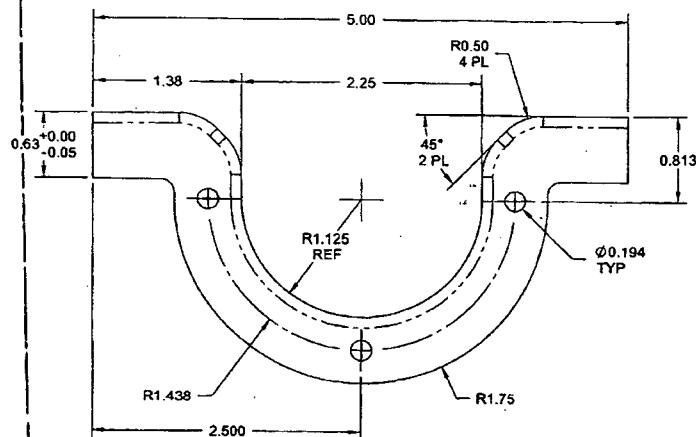
B	POWDER COAT SPEC ADDED TO NOTE 2 (A8-2)	JPH	10.04.06
A	NEW ISSUE	JPH	10.01.29
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JPH	DRAWING NO.	REV. B
CHECKED	JPH	D4021	SHEET 1 OF 3
MFG. APPR.	JPH	TITLE	SCALE
APPROVED	JPH	MISC PARTS - 350 BASKET	NTS
DE APPR.	JPH	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
DATE	10.04.06	THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMBINED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



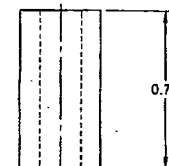
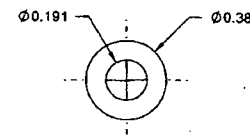
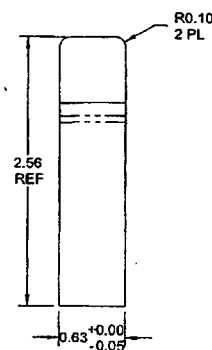
RELEASED
2010-04-14
NMP

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4021	SHEET 2 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	MISC PARTS - 350 BASKET	NTS
DATE	10.04.06	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRINTED AND ISSUED BY DART AEROSPACE LTD. NO PART OF THIS DOCUMENT OR THE INFORMATION CONTAINED THEREIN IS TO BE USED FOR ANY PURPOSE OR IN ANY MANNER OR FOR ANY REASON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

22570



D4021-7 HOOP



D4021-9 BUSHING

NOTES:

- 1) MATERIAL-7: 304/316 STAINLESS STEEL BAR, PER ASTM A276
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: -7: 0.80 lbs
-9: 0.02 lbs

RELEASED
2010-04-14
NR

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4021	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MISC PARTS - 350 BASKET	NTS
DATE	10.04.06	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS UNCLASSIFIED AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMING OR COMMUNICATIONS TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

Receiving Report

Date: 12/12/17
 Supplier: ThyssenKrupp

Batch No: M2 4029
 Dart P/O: 18615

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection OK 12/12/17 N/A ☒
 Work Order 12/12/17 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>4 10 100</u>	<u>Bo</u>					

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/12/17
 Date
 Received/Costing [Signature]
 Initial

Location

Purchase Order Receipt Listing

Page 1 of 2

Tuesday, December 18, 2012 3:08:14 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18619 Receipt Dates from 12/18/2012 to 12/18/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18619	1		M304S18GA	sf	12/19/2012	12/18/2012	320.0000	\$3.30	0.0000	0	\$1,056.72
CAD	No		304/316 .050 Sheet	sf	320.0000	DESJ02		\$1,056.72	0.0000	0	
			124029								
	2		M304S20GA	sf	12/19/2012	12/18/2012	320.0000	\$2.50	0.0000	0	\$800.09
	No		304/316 .040 Sheet	sf	320.0000	DESJ02		\$800.09	0.0000	0	
			124029								
	7		M6061T6B0.375X00. f		12/19/2012	12/18/2012	24.0000	\$2.52	0.0000	0	\$60.38
	No		750								
			6061T6 BAR .375 x f		24.0000	DESJ02		\$60.38	0.0000	0	
			.750								
			124029								
	8		M6061T6R0.500	f	12/19/2012	12/18/2012	48.0000	\$1.21	0.0000	0	\$57.97
	No		6061-T6 Round Bar f		48.0000	DESJ02		\$57.97	0.0000	0	
			.500"								
			124029								
	9		M6061T6R0.563	f	12/19/2012	12/18/2012	300.0000	\$0.61	0.0000	0	\$183.17
	No		6061-T6 ROUND f		300.0000	DESJ02		\$183.17	0.0000	0	
			BAR .563								
			124029								
	10		M6061T6R0.750	f	12/19/2012	12/18/2012	48.0000	\$1.04	0.0000	0	\$49.72
	No		6061-T6 Round Bar f		48.0000	DESJ02		\$49.72	0.0000	0	
			.750"								
			124029								
	11		M6061T6R3.500	f	12/19/2012	12/18/2012	12.0000	\$22.47	0.0000	0	\$269.61
	No		6061 RD bar 3.50 f		12.0000	DESJ02		\$269.61	0.0000	0	
			124029								
	12		M6063T5A0.750W.0 f		12/19/2012	12/18/2012	21.0000	\$1.44	0.0000	0	\$30.19
	No		63								
			Angle6063T5 .750 f		21.0000	DESJ02		\$30.19	0.0000	0	
			X.750 X.063w								
			124029								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
------------------------------------	-----------------------------	------------	--	-----------------------	-------------------------------	---------------------------	-------------------------	------------------------------	--	-------------------------------	----------

Total Received Quantity:	1,093.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$2,507.86
Total Balance Due Quantity:	0.0000

SHIP FROM: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 799828
Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

M/24/28

B I L L O F L A D I N G
1) Our Order PEC-518912- 1 Your PO # 18619 AD ON
ALUMINUM FLAT BAR 6061-T6511
.375" X .750" X 144.0000"

Heat Number
201213316

Tag No
133867

Quantity PCS
24 FT 2

Wt LBS
8

2) Our Order PEC-518912- 2 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.50" DIA X 144.0000"

Heat Number
2BS755

Tag No
133868

Quantity PCS
48 FT 4

Wt LBS
17

3) Our Order PEC-518912- 3 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.562" DIA X 144.0000"

Heat Number
201207091

Tag No
133982

Quantity PCS
300 FT 25

Wt LBS
88

4) Our Order PEC-518912- 4 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
.750" DIA X 144.0000"

Heat Number
40959-112

Tag No
133885

Quantity PCS
48 FT 4

Wt LBS
25

5) Our Order PEC-518912- 5 Your PO # 18619 AD ON
ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"

Heat Number
17548

Tag No
133886

Quantity PCS
12 FT 1

Wt LBS
137

Page: 1Continued

Handwritten signature/initials

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

RECU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

B I L L O F L A D I N G

No: PEC 799828

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-518912- 6 Your PO # 18619 AD ON

ALUMINUM ANGLE 6063-T5

.750" x .750" x .062" X 252.0000"

Heat Number
2BS240

Tag No
133887

Quantity
21 FT

PCS
1

Wt LBS
2

TOTAL:

Tags
6

PCS
37

LBS
271

Heat Number
17548
201207091
2BS240
2BS755
40959-112

*** Chemical Analysis ***

ADD ON TO 518871 SUR-CHARGE PAID SHIP TOGETHER

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDLs 1 BOX G.W. 425 LBS

ITEMS (1,2,4,5) BDL

ITEM (6) BDL

ITEM (3) BOX

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE

No: PEC 799828
Ship Date 14Dec12 at 13:51 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

===== B I L L O F L A D I N G =====
***** CLOSED FOR THE HOLIDAYS *****
ON DEC. 25TH & 26TH, 31ST & JAN. 1ST.
WE ARE OPENED FOR BUSINESS ON DEC. 24, 27 & 28.
HAVE A HAPPY HOLIDAY SEASON!
*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

28
B I L L O F L A D I N G
Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
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No: PEC 799833
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Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

MTR m12 y029

B I L L O F L A D I N G

1) Our Order PEC-518871- 1 Your PO # 18619
STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
300725 133945

Quantity PCS Wt LBS
320.00 SFT 10 / 609

2) Our Order PEC-518871- 2 Your PO # 18619
STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
A1200877 133946

Quantity PCS Wt LBS
320.00 SFT 10 457

TOTAL: Tags PCS L
2 20 1066

Heat Number *** Chemical Analysis ***
300725
A1200877

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL ITEMS (1&2) 1 SKID G.W. 1118 LBS

Page: 1Continued

1-crate 4/4/17
KJ

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 799833
Ship Date 14Dec12 at 14:10 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

===== B I L L O F L A D I N G =====
***** CLOSED FOR THE HOLIDAYS *****
ON DEC. 25TH & 26TH, 31ST & JAN. 1ST.
WE ARE OPENED FOR BUSINESS ON DEC. 24, 27 & 28.
HAVE A HAPPY HOLIDAY SEASON!
*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
.0480 Nom X 48.0000" X 96.0000"
PART NO.

PO/Rel 18619


We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-799833-001

14Dec12

Signed by: Pg 1/1

 ThyssenKrupp ThyssenKrupp Stainless USA		Type of document / Tipo de documento / Art der Prüfbescheinigung INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-Nr. 0000025813 / Page / Pagina / Seite: 1 / 1																	
1 ThyssenKrupp Drive; P.O. Box 13000; Calvert, AL 36513-1300 OLBERT METALS SALES LIMITED 989 DERRY ROAD EAST SUITE 305 MISSISSAUGA ON L6T 2J6 CANADA			Customer/Shop to / Cliente / Bezieher/Empfänger OLBERT METALS SALES LIMITED, MISSISSAUGA Customer's order number / N° de Pedido Cliente / Kundenbestells. TO-1828 Manufacturer's work order no. / N° de Pedido Manufactura / Werksauftrags-Nr. 901145653 / 007 Delivery note no. / N° de Entrega / Lieferschein-Nr. 85218320 / 070 Product / Producto / Erzeugnis SHEET/HOJAS/BLECH Steel grade and quality / Acero / Stahlgüte und Gütegruppe TYPE 304L/304																		
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010																					
Customer's material no. / N° de material del cliente / Kundenmaterial-Nr. 6033088		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge) 1.22 mm x 1,219.20 mm x 2,438.40 mm 0.0480 inch x 48.0000 inch x 96.0000 inch		Identification procedure / Procedimiento de identificación / Identifizierung ADD Finish / Acabado / Ausführung 11c / 28																	
Weight / Peso / Gewicht 4,467 lb / 2,026 kg	Coil No. / Bobina No. / Biers-Nr. 709255	Heat No. / Coefido / Schmelznummer 300725	Sample Id. / N° de muestra / Proben-Nr. 1000044779	Sample Id. / N° de muestra / Proben-Nr. 1000044780	Sum / Suma / Summe 74																
Chemical composition / Composicion Quimica / Chemische Zusammensetzung <table border="1"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Ni</th> <th>% N</th> </tr> </thead> <tbody> <tr> <td>0.029</td> <td>0.30</td> <td>1.84</td> <td>0.029</td> <td>0.0010</td> <td>18.14</td> <td>8.04</td> <td>0.052</td> </tr> </tbody> </table>						% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N	0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.052
% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N														
0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.052														
Sample Position / Local de la muestra / Probenlage TRANSVERSE																					
Inspection of / Lote de inspección / Prüfling <table border="1"> <thead> <tr> <th>YS0.2% PSI / MPa</th> <th>TS PSI / MPa</th> <th>EL A2" %</th> <th>HRB</th> </tr> </thead> <tbody> <tr> <td>41,914 / 289</td> <td>91,850 / 634</td> <td>58</td> <td>82</td> </tr> <tr> <td>40,174 / 277</td> <td>91,805 / 633</td> <td>57.5</td> <td>81</td> </tr> </tbody> </table>						YS0.2% PSI / MPa	TS PSI / MPa	EL A2" %	HRB	41,914 / 289	91,850 / 634	58	82	40,174 / 277	91,805 / 633	57.5	81				
YS0.2% PSI / MPa	TS PSI / MPa	EL A2" %	HRB																		
41,914 / 289	91,850 / 634	58	82																		
40,174 / 277	91,805 / 633	57.5	81																		
Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche Test of identity (spectral analysis) / Control de identidad (análisis espectroscópico) / Verwechslungsprüfung (Spektalanalyse): No weld repairs No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2002/95/EC Compliant Country of Heat as per ISO 3166-1 ITA																					
Originator of the document / Origenador del documento / Aussteller der Bescheinigung ThyssenKrupp Stainless USA, LLC An ISO 9001: 2008 certified company Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt			The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados / Die gezeigten Werte entsprechen den gespeicherten Daten Andrew Faucett Phone: +1 251 629 3492 Name of expert / Nombre del experto / Name des Sachverständigen																		
Date of issue and validation / Fecha de emisión y validación / Datum Ausstellung / Bestätigung 10/03/2012																					

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B
 .0360 Nom X 48.0000" X 96.0000"
 PART NO.

PO/Rel 18619

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Signed by: _____

Certificate of Mill Test Results

BL PEC-799833-002

14Dec12

Pg 2/2

产品质量证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司

Wuxi Baichang Metal Products Co., Ltd

PAGE 2 OF 2

单号: EX1207157GS

der No.

货方: GLOBAL STAINLESS STEEL INC.

der

用厂家: GLOBAL STAINLESS STEEL INC.
 INSIGNEE

品名: COLD ROLLED STAINLESS
 Commodity STEEL SHEET

标准: ASTM A240/A240M
 Specification

牌号: 304

Type

表面加工: 2B
 Surface Finish

编号: EX1207157

Invoice No.

发行日期: 2012-9-17
 Date

序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HV≤200	炉批号 HEAT NO.	化 学 成 分							
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			Tensile Test					Chemical Composition (%)							
							屈服强度 0.2% YS N/mm ² ≥ 205	抗拉强度 TS N/mm ² ≥ 520	延伸率 EL % ≥45			C ≤0.08	Si ≤1.00	Mn ≤2.00	P ≤0.045	S ≤0.03	Ni 8.00-10.50	Cr 18.00-20.00	N
1	12091710	0.8	1219	2438	63	1136	303	616	56	180	C1209683	0.0500	0.440	1.1000	0.0300	0.0020	8.0100	18.060	0.0437
2	12091711	1.0	1219	2438	54	1114	273	693	56	170	A1200877	0.0400	0.360	1.1300	0.0370	0.0010	8.0100	18.000	0.0503
3	12091712	1.2	1219	2438	55	1518	298	656	56	174	C3200591	0.0500	0.400	1.1300	0.0340	0.0020	8.0400	18.130	0.0420
4	12091713	2.0	1219	2438	35	1495	291	630	60	141	C2206327	0.0400	0.400	1.1000	0.0370	0.0010	8.0600	18.240	0.0300
5	12091714	2.5	1219	2438	26	1500	320	665	67.5	162	C2108891	0.0300	0.480	1.0900	0.0410	0.0020	8.0700	18.230	0.0400
6																			
7																			
8																			
9																			
10																			
注 (Remarks):																			

注 (Remarks):

尺寸和表面: 合格

Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN
 HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND
 SPECIFICATION

*此报告仅可完全复制

*The report can only be copied completely

技术本部
 TECHNICAL DEPT.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 1 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED

M125029

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304S18GA	304/316 .050 Sheet	12/19/12 Yes	320.00 sf	Yours ppd	\$3.2812	\$1,050.00

Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

PLEASE NOTE: DO NOT DELIVER
BEFORE THE 17 OF DECEMBER

RECEIVING WILL BE CLOSE
DECEMBER 13 AND 14 FOR
INVENTORY

030

2	M304S20GA	304/316 .040 She	12/19/12 Yes	320.00 sf	Yours ppd	\$2.4844	\$795.00
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Special Inst: MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

PO Instructions: NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 2 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

3	M7075T6B1.000X1.000	7075 T6 BAR 1.00 x 1.00	12/19/12 Yes	12.00 f	Yours ppd	\$12.5959	\$151.15
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Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11

4	M303B1.000X03.000	303 BAR 1" X 3'	12/19/12 No	24.00 f	Yours ppd	\$49.8942	\$1,197.46
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Special Inst:

MATERIAL: AISI 303 SS BAR AS PER
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

5	M174R0.750	17-4 round bar .750	12/19/12 Yes	36.00 f	Yours ppd	\$5.1500	\$185.40
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Special Inst:

MATERIAL: 17-4 PH/S17400 TYPE 630 SS
ROUND BAR
AS PER AMS 5643 OR ASTM A564

6	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	12/19/12 Yes	12.00 f	Yours ppd	\$16.0000	\$192.00
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Special Inst:

MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11

PO Instructions:

NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513860

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632.9577
Fax: 613 632.1053

PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Qty	Part Number	Description	Unit	Price	Terms	Amount	Net Amount
7	M6061T6B0.375X00.750	6061T6 BAR .375 x .750	12/19/12	24.00	Yours ppd	\$2.5000	\$60.00
	002		Yes	f			

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR
ASTM B211 OR ASTM B221

8	M6061T6R0.500	6061-T6 Round Bar .500"	12/19/12	48.00	Yours ppd	\$1.2000	\$57.60
	012		Yes	f			

Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

9	M6061T6R0.563	6061-T6 ROUND BAR .563	12/19/12	300.00	Yours ppd	\$0.6067	\$182.01
			Yes	f			

Special Inst:

6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

PO Instructions:

NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**Purchase Order ID **PO18619**

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 4 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA**Contact Name****Vendor Phone** 905 669 9444**Vendor Fax** 905 738 9033**Vendor Account Nbr****Buyer**

Chantal Lavoie

Requisition Nbr**Tax Resale Nbr**

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

10	M6061T6R0.750 93	6061-T6 Round Bar .750"	12/19/12 Yes	48.00 f	Yours ppd	\$1.0292	\$49.40
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Special Inst:6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

11	M6061T6R3.500 006	6061 RD bar 3.50	12/19/12 Yes	12.00 f	Yours ppd	\$22.3250	\$267.90
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Special Inst:6061-T6 (OR 6061-T651/ T6510/ T6511/
T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8OR AMS-QQ-A-200/8)OR
AMS 4160)
OR ASTM B211 OR ASTM B221

12	M6063T5A0.750W.063	Angle 6063T5 .750 X.750 X.063w	12/19/12 Yes	21.00 f	Yours ppd	\$1.4286	\$30.00
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PO Total:**\$4,217.92****MATERIAL CERTIFICATION
REQ'D UPON DELIVERY****PO Instructions:**NO: PEC ST-518482 NO: PEC ST-514021
NO: PEC ST-515417 NO: PEC ST-513880**Change Nbr:** 2**Change Date:** 12/11/12No substitution or deviation without
consent.Certificate of Conformity or Material
Certification required - YES NO